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>Title: JP9227200A2: PRODUCTION OF INORGANIC BOARD

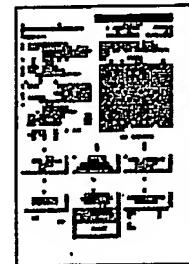
Derwent Title: Manufacturing inorganic boards - comprises dispersing raw inorganic mixture of cement, fibre, and alkali-treated hollow filler, in water, then dewatering, laminating, moulding etc. [Derwent Record]

Country: JP Japan**Kind:** A (See also: [JP3265183B2](#))**Inventor:** NISHIZAWA KAZUHIDE;**Assignee:** NICHIIHA CORP[News, Profiles, Stocks and More about this company](#)**Published / Filed:** 1997-09-02 / 1996-02-28**Application Number:** JP1996000069119**IPC Code:** C04B 28/02; B28B 1/52; B28B 3/02; C04B 28/02;**ECLA Code:** C04B28/02;**Priority Number:** 1996-02-28 JP1996000069119

Abstract: PROBLEM TO BE SOLVED: To improve the interlaminar adhesion between a multilayer mat and an inorganic board product to surely prevent their delamination by using a raw material mixture mainly comprising cement and a fiber material and in addition, inorganic hollow filler treated with alkali.

SOLUTION: A mixture of inorganic board raw materials mainly comprising cement and fibrous material and, in addition, alkali-treated inorganic hollow filler is dispersed in water to prepare a slurry. This slurry is subjected to fiber sheet-making and drained to form mats, then mats are laminated to a multilayer product and the laminated mat is molded and cured by aging. The inorganic hollow filler is preferably alkali-treated by dipping the filter in an aqueous alkali with a pH of ≥ 9 for ≥ 10 minutes under stirring. During the alkali treatment, a non-hollow inorganic powder (for example, calcium carbonate, talc or the like) is preferably admixed to the aqueous alkali solution.

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